UTAH STATE UNIVERSITY · LOGAN, UTAH 84322

SOIL, PLANT and WATER ANALYSIS LABORATORY **UMC 48**

August 23, 1978

Division of Oil, Gas, and Mining 1588 W. North Temple Salt Lake City, Utah 84116

Data report on soil samples logged in 8/11/78.

Route & W. Route & W. Cile in Vipont Act/005/002

Log #	Ident	рН	ECe mmhos/cm	NaHCO ₃ -P	NaHCO ₃ -K	Lime	Est. Texture	$\frac{\text{in Sat. E}}{\text{Ca} + \text{Mg}}$	<u>Na</u>	SAR	
	<u>ruene</u>	Pii	marro by car								
78-										1.0	
2477	1 A	8.1	1.0	4.0	218	0	Clay	1.2	9.1	12	
2478	В	8.0	.8	3.7	>320	0	Clay	.7	7.4	13	
2479	С	7.4	8.9	3.7	277	0.	Clay	24.6	65.2	19	
2480	D	7.4	4.9	2.5	>320	0	Clay	14.3	33.0	23	
2481	2A	7.3	45	4.2	>320	+	Clay	139	313	38	
2482	В	7.5	30	3.3	268	++	Clay	93.6	196	29	
2483	C	7.3	5.7	3.7	228	++	Clay	215	374	36	
2484	D	7.8	22	4.0	187	++	Clay	75.1	134	22	
2485	3A	7.9	8	3.0	>320	+	Sandy C Loam	10.8	60.4	26	
2486	В	7.8	16	3.5	>320	+	Sandy Loam	31.7	123	31	
2487	C	7.6	31	5.0	>320	+	Sandy C Loam	103	200	28	
2488	D	8.0	46	3.7	>320	++	Clay Loam	148	322	38	
2489	4A	8.4	.8	4.7	>320	+	Sandy Loam	1.3	7.8	9.6	
2490	В	8.3	.7	4.8	>320	0	Sandy C Loam	.7	7.4	13	
2491	C	7.5	9.7	4.4	>320	0	Sandy Loam	43.3	65.2	14	
2492	D	7 7	1 0		>320	0	Sandy Loam	2.9	15.7	13 ok	
2492	V	7.9	1.9 ok	45 good	40 100		Sandy Loam	31.5	21.3	5.4	

Comments:

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DIVISION OF OIL GAS, & MINING

> All are in normal range, although 4A and 4B are higher than most. pH.

Salinity lab interpretation: 0-2, negligible effect; 2-4 sensitive crops affected; 4-8 many crops affected; 8-16 only tolerant crops; above 16 toxic to most domestic crops.

(phosphorus) All except 4V are marginal to low, even for grasses. NaHCO3-P.

All except 4V have ample K. No. 4V is very low. NaHCO3-K.

None needed on any sample Lime.

(sodium adsorption ratio, calculated from Ca + Mg and sodium in the SAR. saturation extract). 0-10 usually not a serious problem; 10-15 some problems on some soils; above 15 usually appreciable to serious problems with toxicity, water infiltration rate, etc.